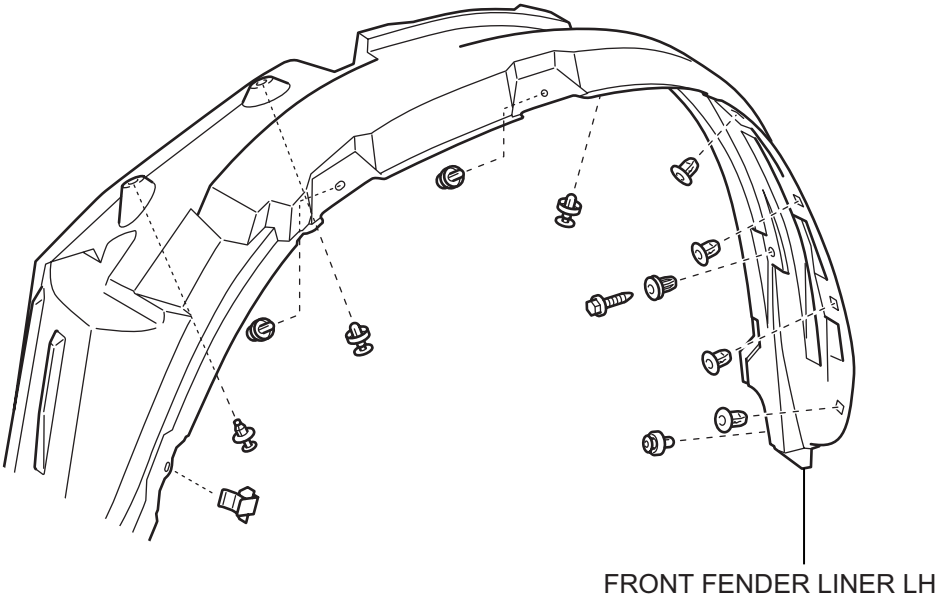
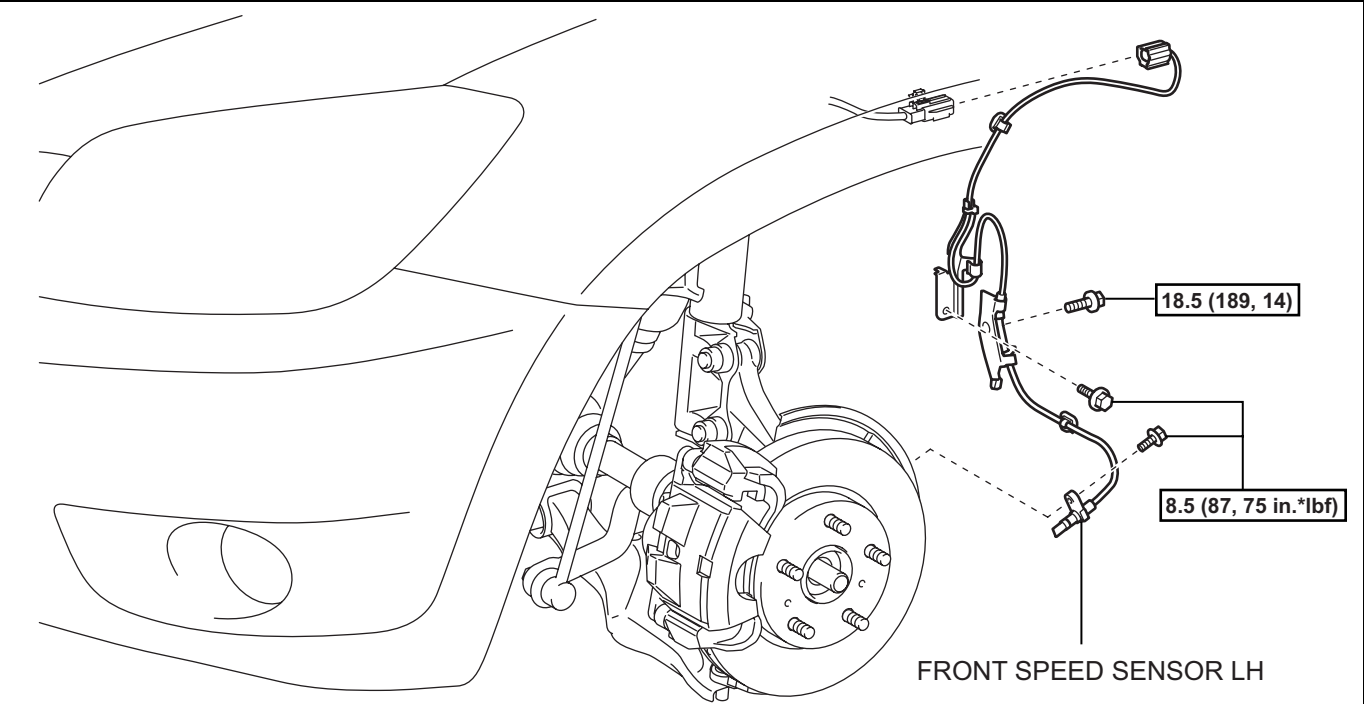


FRONT SPEED SENSOR

COMPONENTS

BC



N*m (kgf*cm, ft.*lbf) : Specified torque

REMOVAL

HINT:

- Use the same procedures for the LH side and RH side.
- The procedures listed below are for the LH side.

1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL

CAUTION:

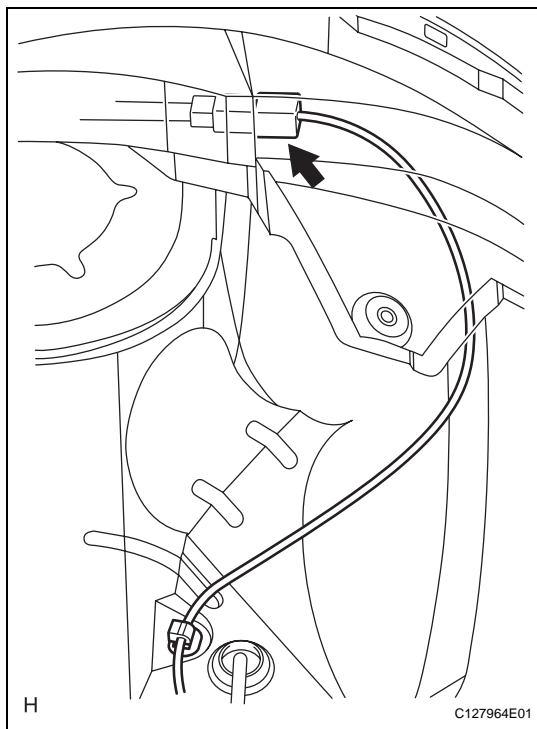
Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to prevent airbag and seat belt pretensioner activation.

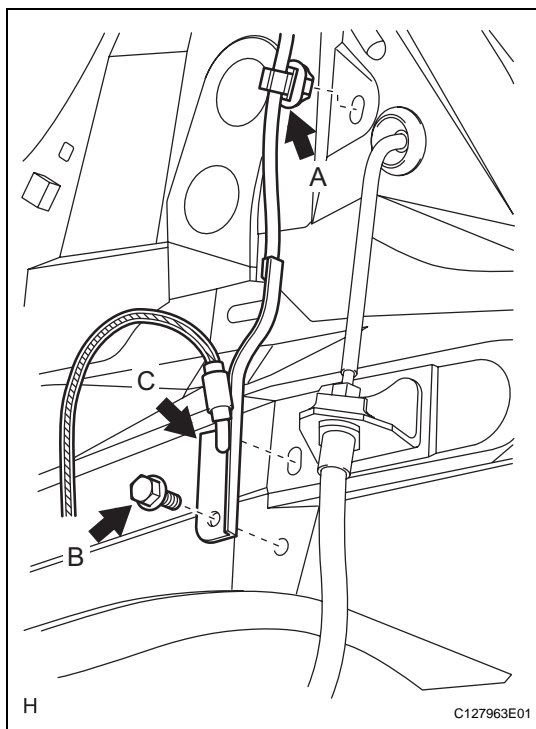
2. REMOVE FRONT WHEEL

3. REMOVE FRONT FENDER LINER LH

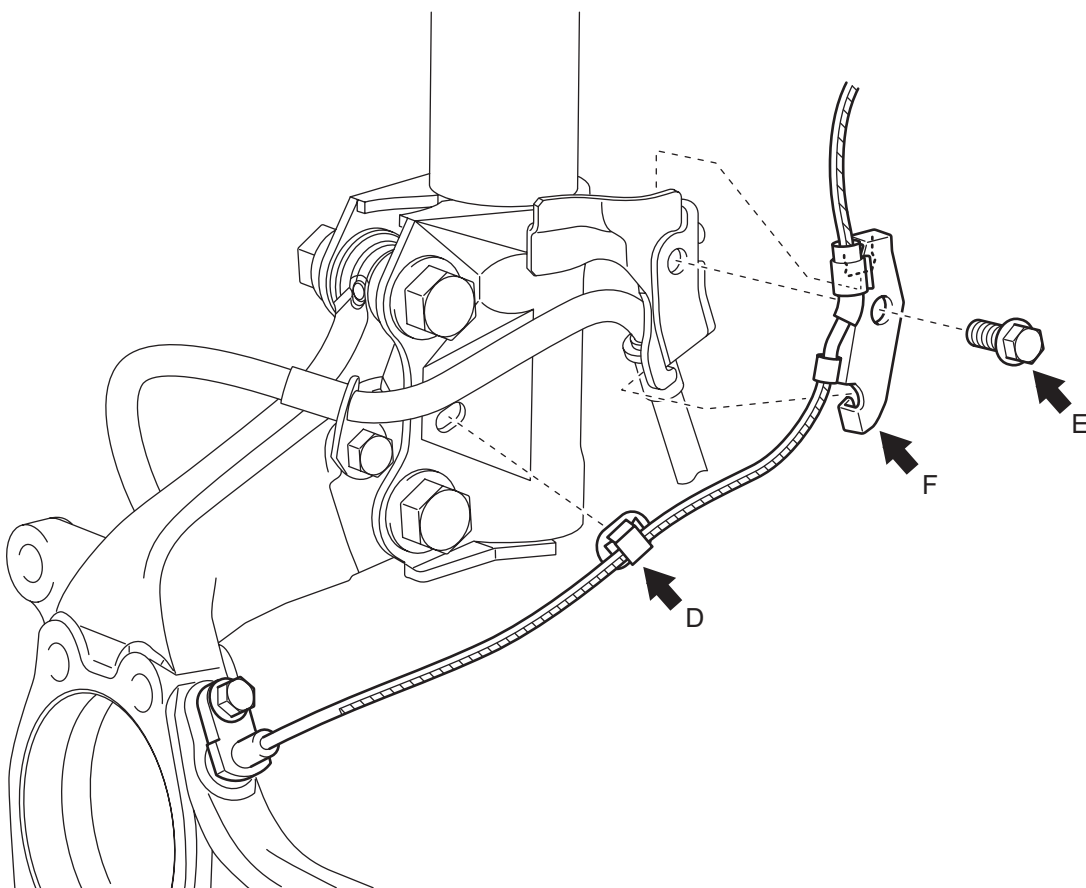
4. REMOVE FRONT SPEED SENSOR LH

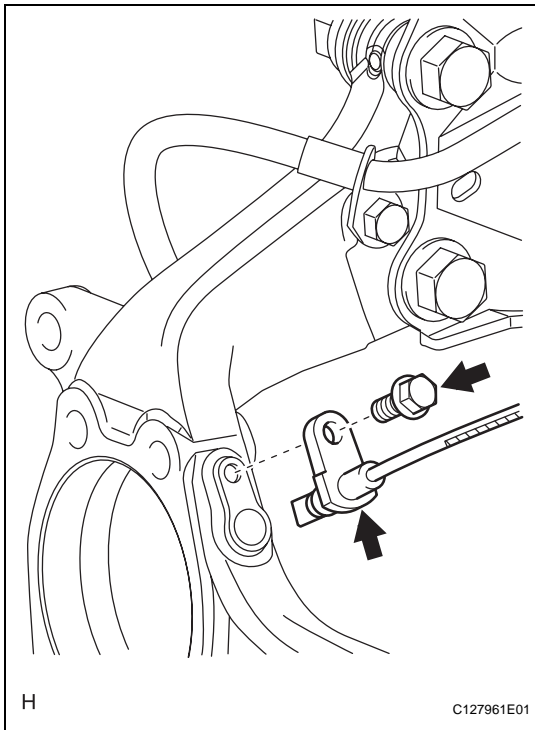
- (a) Disconnect the sensor connector.





- (b) Remove the sensor clip (labeled A), bolt (labeled B) and sensor clamp (labeled C).
- (c) Remove the sensor clip (labeled D), bolt (labeled E) and sensor clamp (labeled F).





- (d) Remove the bolt and sensor body from the knuckle.
NOTICE:
Keep the sensor tip and sensor installation hole free from foreign matter.

INSPECTION

1. INSPECT FRONT SPEED SENSOR

- (a) Check the speed sensor. If any of the following occurs, replace the speed sensor with a new one.
- The surface of the speed sensor is cracked, dented, or chipped.
 - The connector or wire harness is scratched, cracked, or damaged.
 - The speed sensor has been dropped.

INSTALLATION

HINT:

- Use the same procedures for the LH side and RH side.
- The procedures listed below are for the LH side.

1. INSTALL SPEED SENSOR FRONT LH

NOTICE:

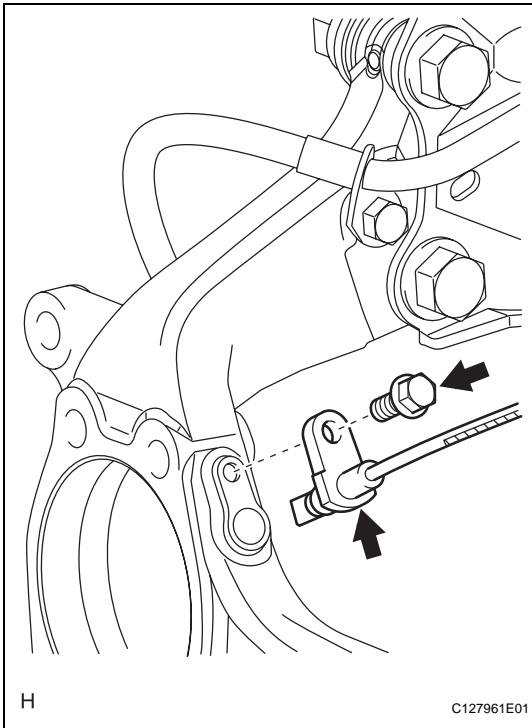
To prevent interference with other parts, do not twist the sensor wire's painted line areas when installing it.

- (a) Set the sensor body to the knuckle, and then install the sensor with the bolt.

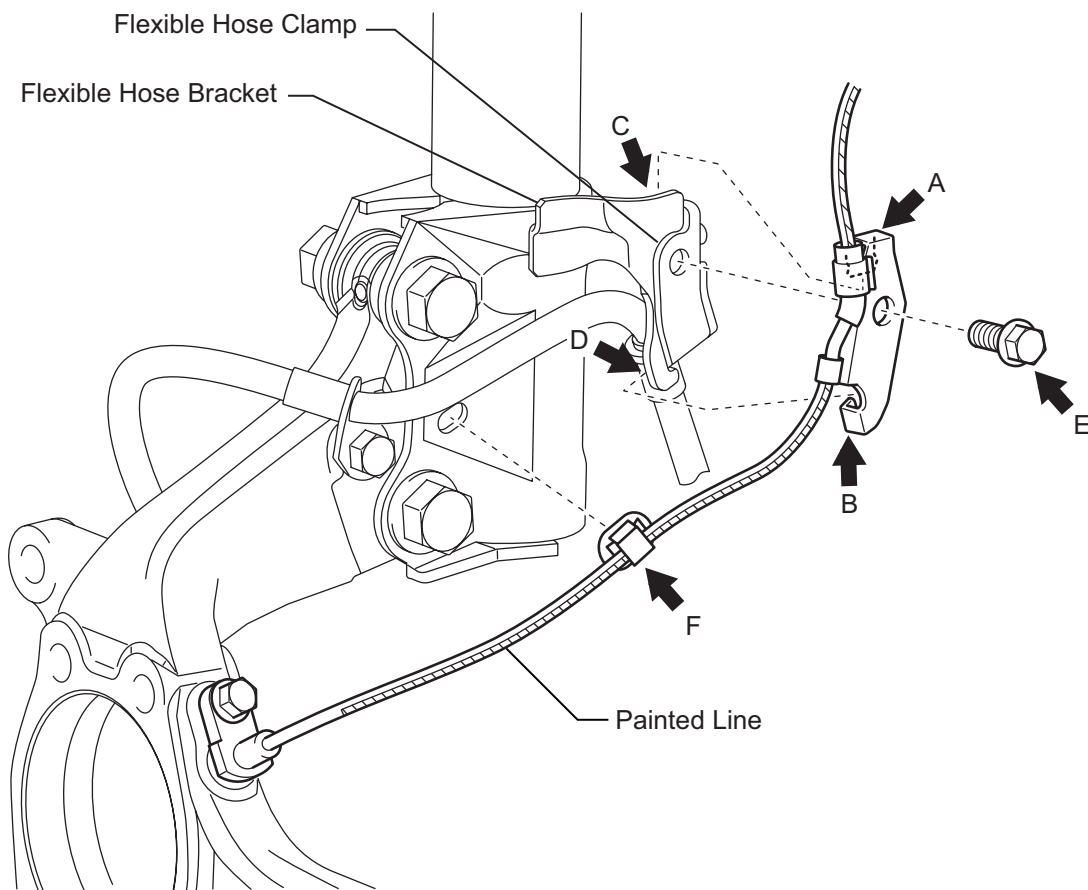
Torque: 8.5 N*m (87 kgf*cm, 75 in.*lbf)

NOTICE:

- Keep the sensor tip and sensor installation hole free from foreign matter.
- Firmly insert the sensor body into the knuckle before tightening the bolt.
- After installing the sensor to the knuckle, make sure that there is no clearance between the sensor stay and knuckle. Also make sure that no foreign matter is stuck between the parts.
- To prevent interference between the sensor and magnetic rotor, do not rotate the sensor body during or after the insertion of the sensor body to the knuckle.



(b) Install the sensor clamp and sensor clip as follows.



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- (1) Set the flexible hose clamp on the flexible hose bracket.
- (2) Simultaneously perform the following: 1) hang the hook part of the sensor clamp (labeled A) on the flexible hose bracket (labeled C); and 2) insert the hook part of the sensor clamp (labeled B) into the flexible hose bracket (labeled D).

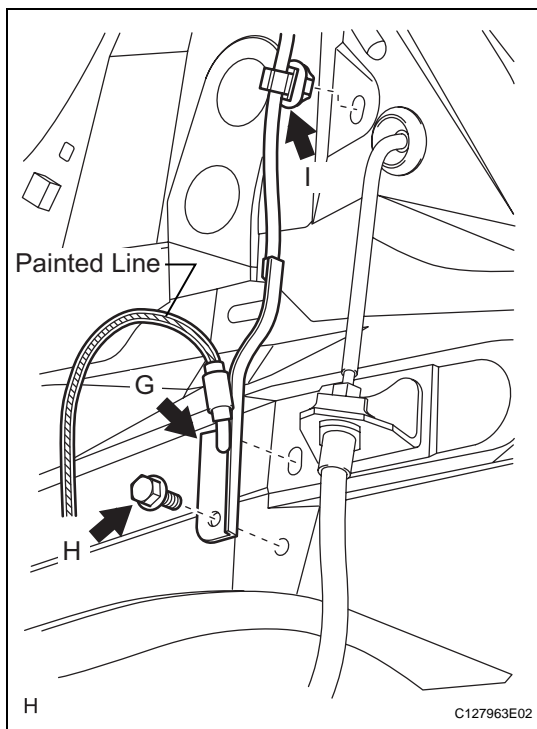
NOTICE:

Do not twist the sensor wire when installing the clamp.

- (3) Tighten together the sensor clamp, flexible hose clamp and flexible hose bracket with the bolt (labeled E).

Torque: 18.5 N*m (189 kgf*cm, 14 ft.*lbf)

- (4) Insert the sensor clip (labeled F) into the hole on the absorber lower bracket.



(c) Install the sensor clamp, and sensor clip as follows.

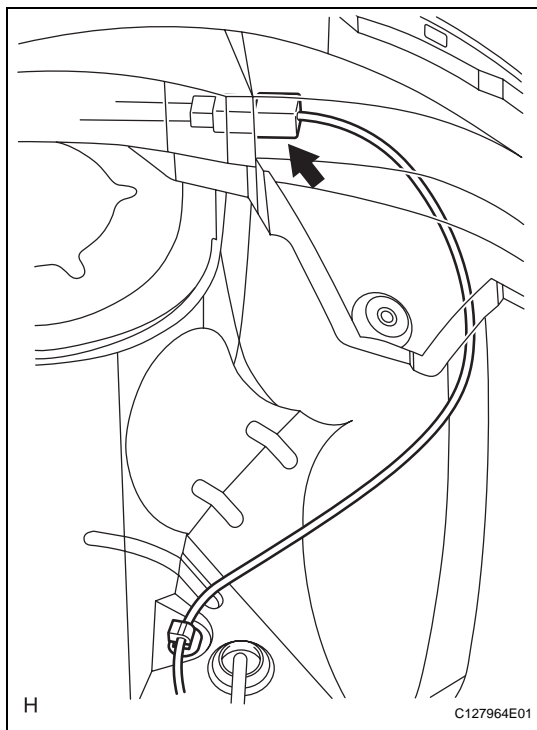
- (1) Set the sensor clamp (labeled G) on the side member, and then tighten it with the bolt (labeled H).

Torque: 8.5 N*m (87 kgf*cm, 75 in.*lbf)

NOTICE:

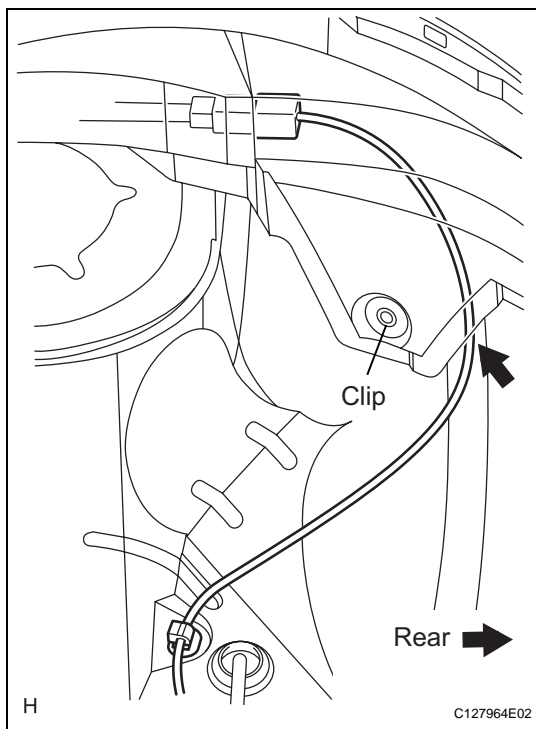
Do not twist the sensor wire when installing the clamp.

- (2) Insert the sensor clip (labeled I) into the hole on the apron.



(d) Connect the sensor connector.

BC

**2. INSTALL FRONT FENDER LINER LH****HINT:**

Install the fender liner so that the sensor wire harness passes beyond the fender liner installation clip towards the rear side of the vehicle.

3. INSTALL FRONT WHEEL

Torque: 103 N*m (1,050 kgf*cm, 76 ft.*lbf)

4. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL**5. CHECK ABS SPEED SENSOR SIGNAL**

(a) Check the speed sensor signal (see page [BC-28](#)).